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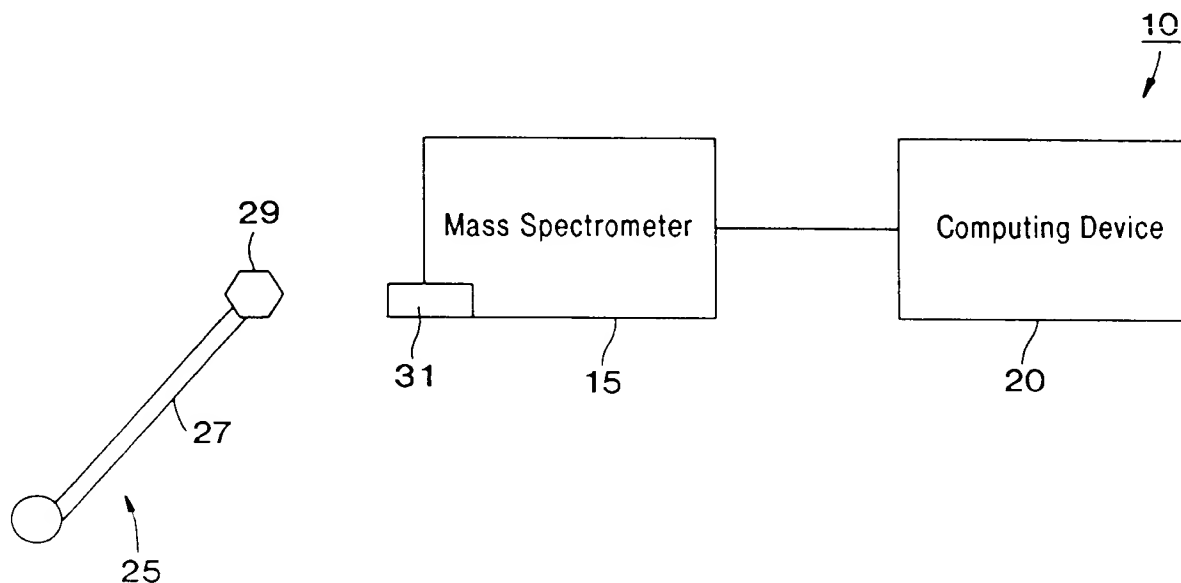
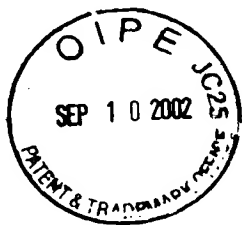


FIG. 1

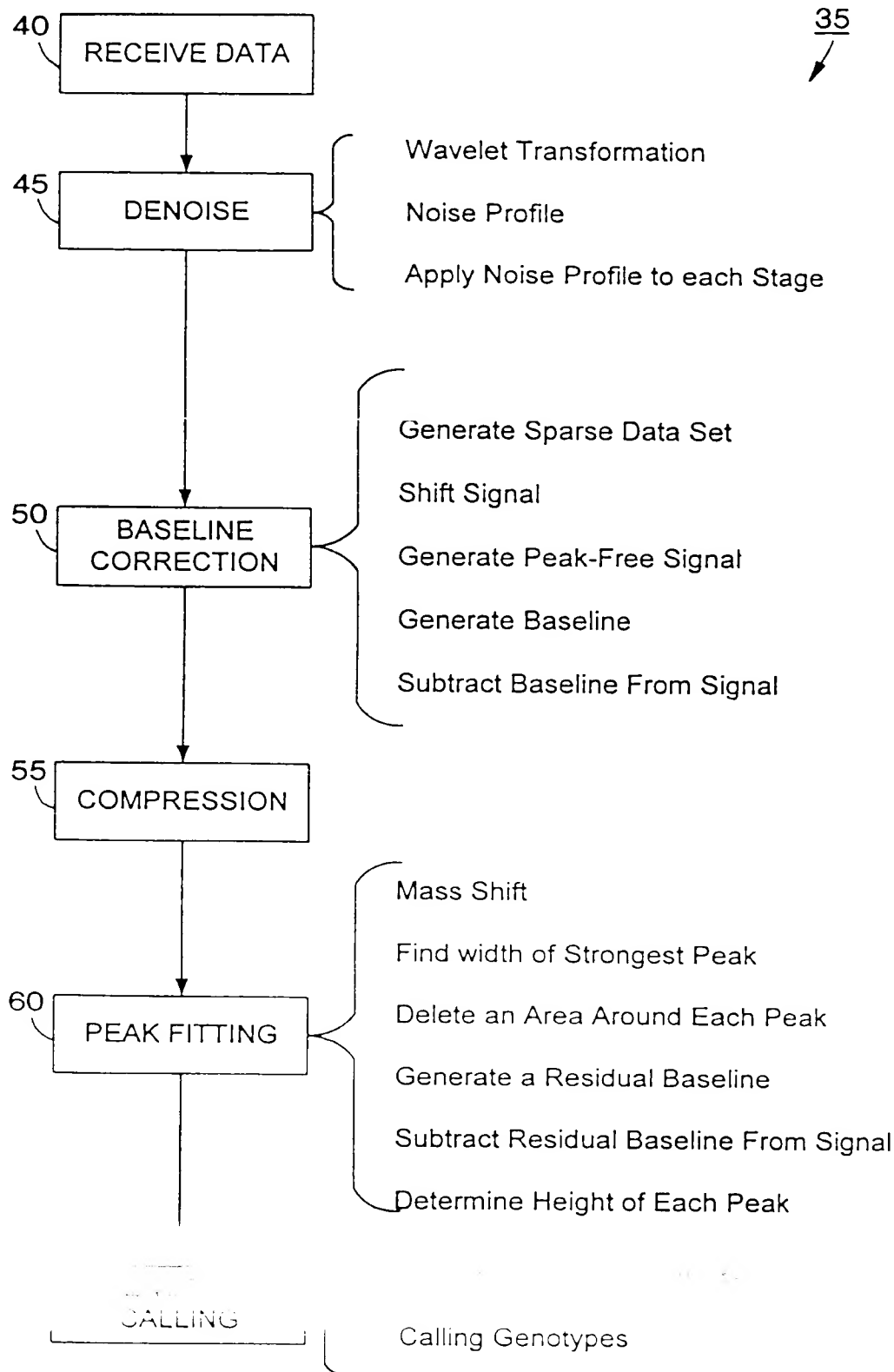
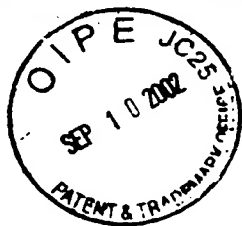


FIG. 2



SHEET 3 OF 17
HELLER EIDMAN WIDDE & McCAULEY LLP
METHOD AND DEVICE FOR IDENTIFYING A
BIOLOGICAL SAMPLE

Applicant: Yip
Serial No. 09/663,968 Filed: September 19, 2000
Our Docket No.: 24736-2049

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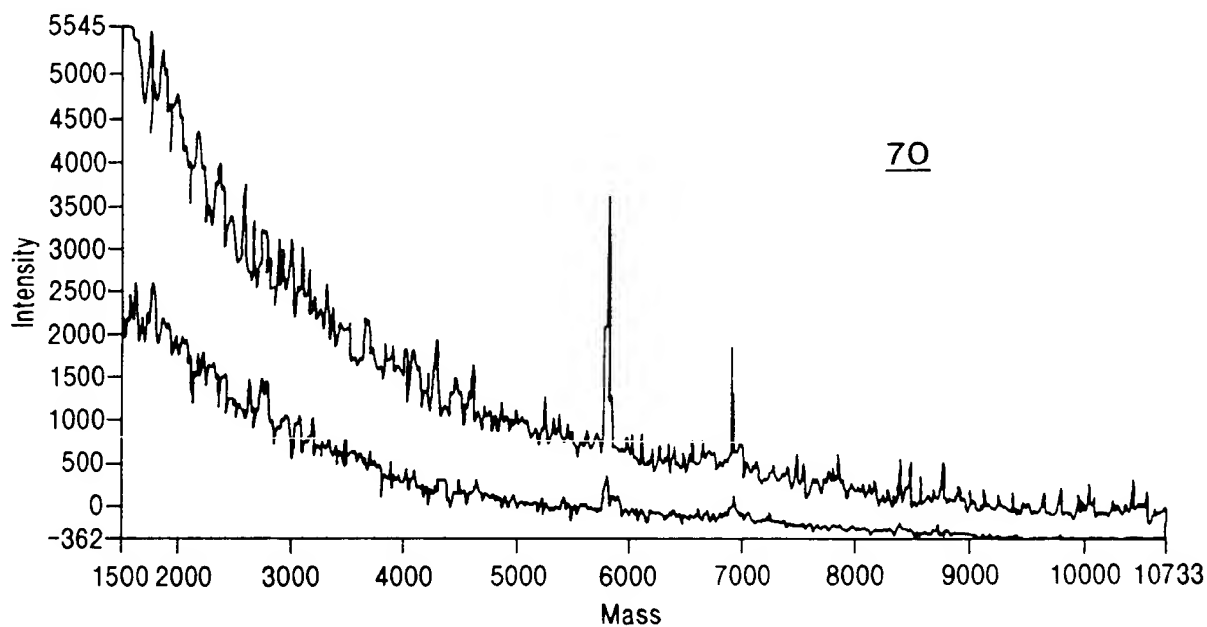


FIG. 3

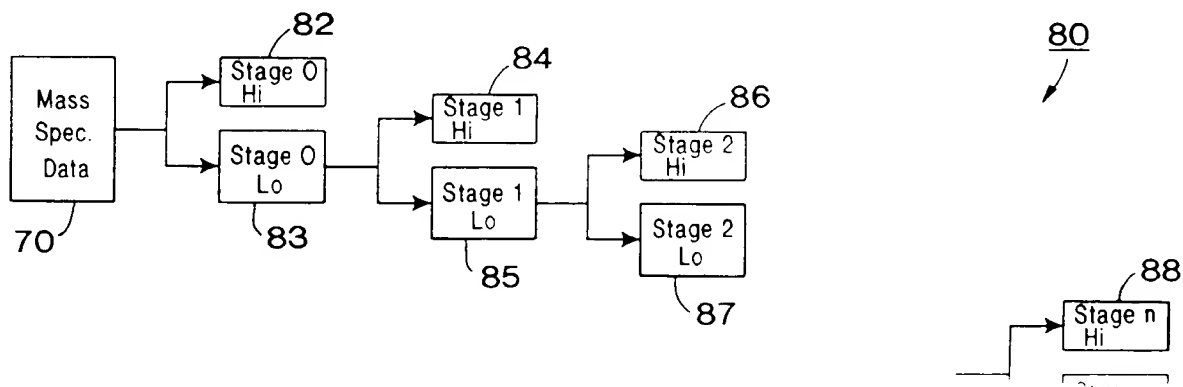
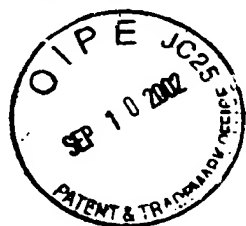


FIG. 4



SHEET 4 OF 17
Title: HELLEREDSMAN WHITE & MCALIFFE LLP
METHOD AND DEVICE FOR IDENTIFYING A
BIOLOGICAL SAMPLE.
Applicant: Vip
Serial No. 09,663,968 Filed: September 19, 2000
Our Docket No.: 24736-2049

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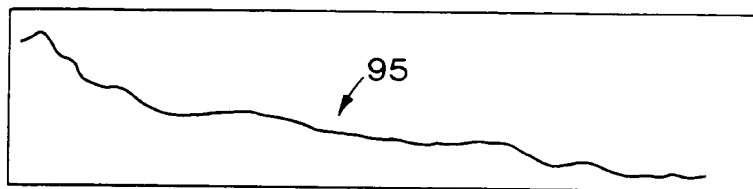


FIG. 5

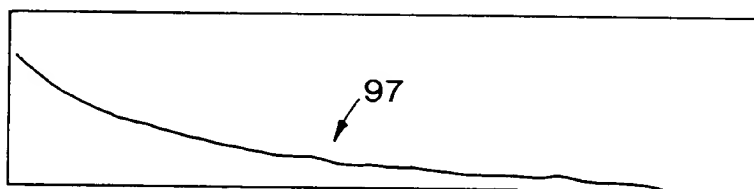


FIG. 6

Exp fitting
 $a_0 + a_1 \exp(-a_2 m)$

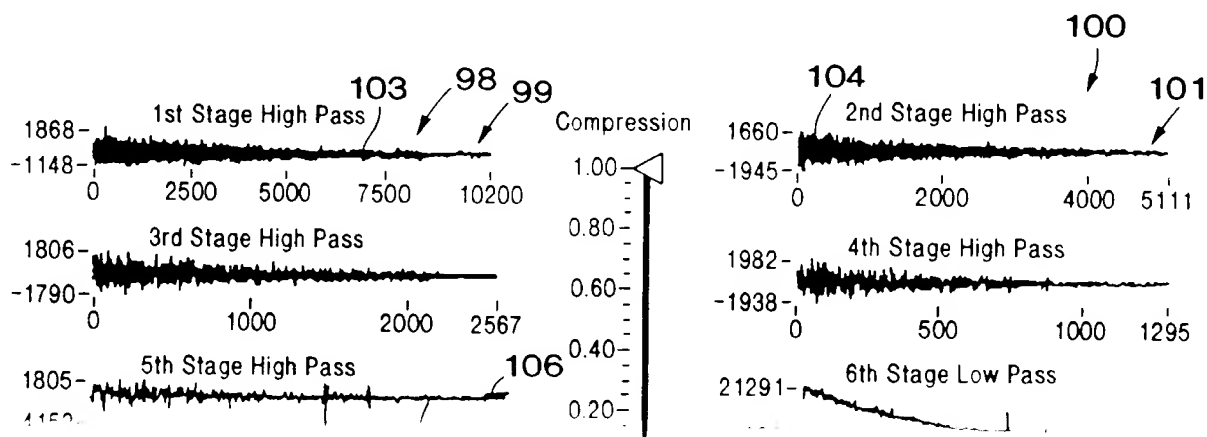
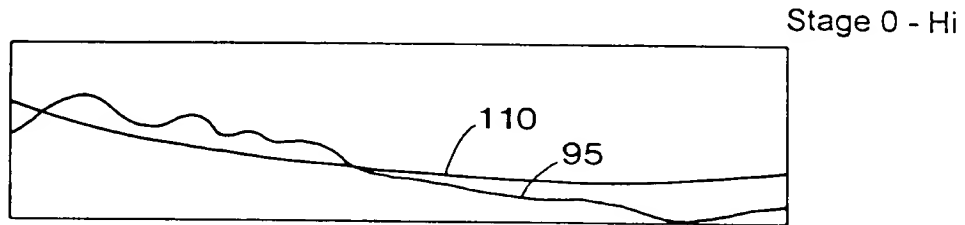
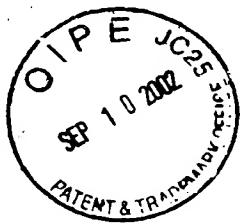
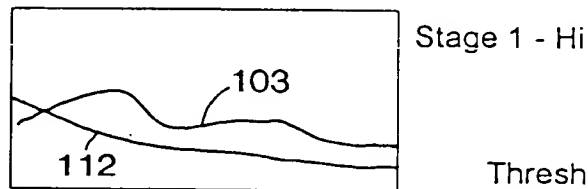


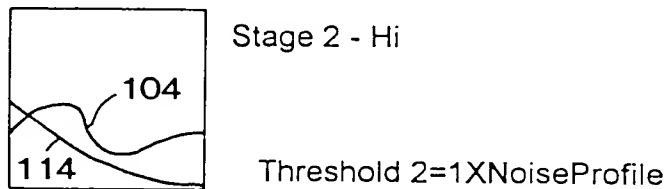
FIG. 7



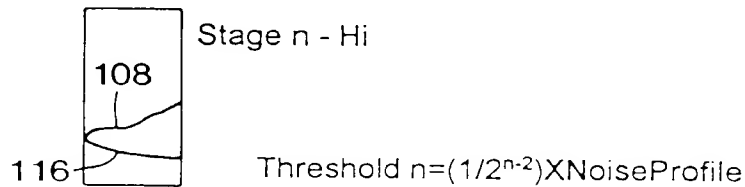
Threshold 0=4XNoiseProfile



Threshold 1=2XNoiseProfile



Threshold 2=1XNoiseProfile



Threshold $n=(1/2^{n-2})XNoiseProfile$

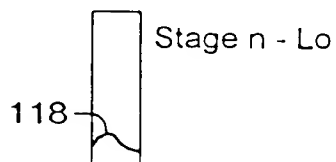


FIG. 8

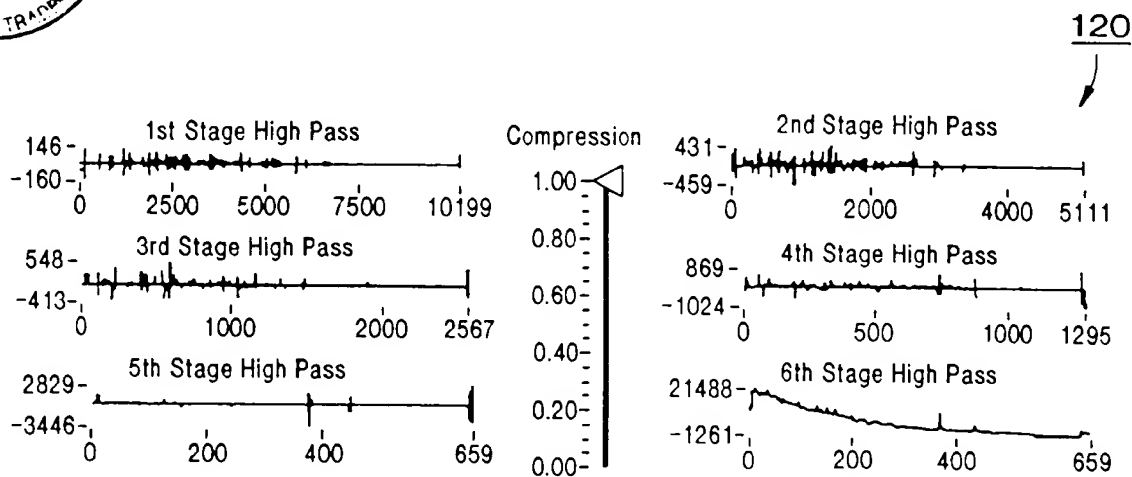
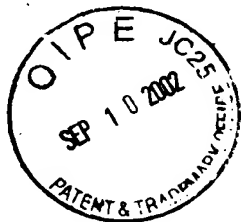


FIG. 9

SHIFT SIGNAL TO ACCOUNT FOR VARIATIONS DUE TO STARTING POINT

$$\text{Signal}(t) = \frac{\text{Start } 0(t) + \text{Start } 1(t) + \text{Start } 2(t) \dots + \text{Start } 23(t)}{24}$$

FIG. 10

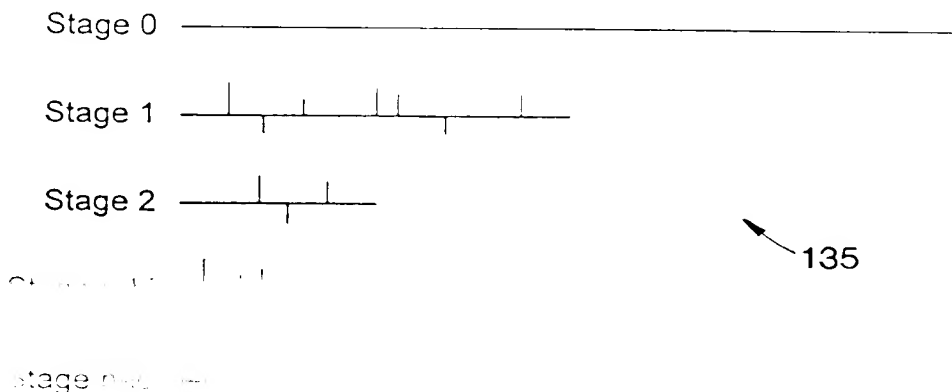


FIG 11



SHEET 17 OF 17
Title HELLER EDWARDS WHITE & MCALIFF LLP
METHOD AND DEVICE FOR IDENTIFYING A
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Applicant Yip
Serial No. 09 663,968 Filed: September 19, 2000
Our Docket No.: 24736-2049

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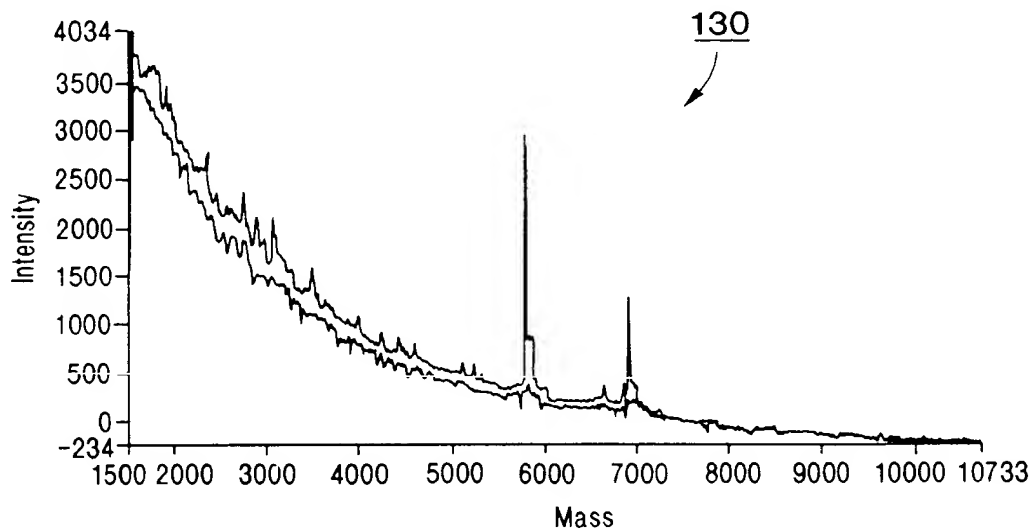
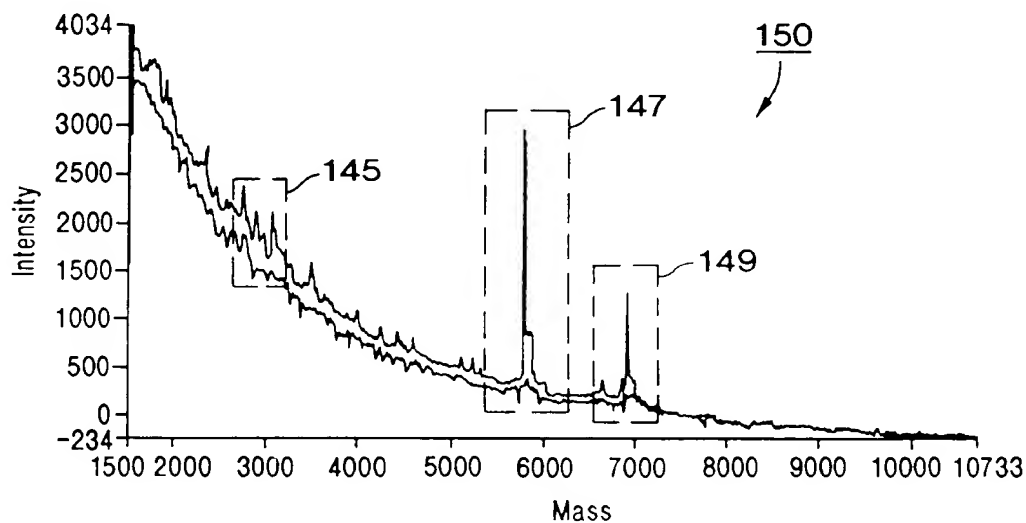


FIG. 12

TAKE A MOVING AVERAGE, REMOVE SECTIONS EXCEEDING A THRESHOLD





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FIND MINIMA IN REMAINING SIGNALS AND CONNECT TO FORM A
PEAK FREE SIGNAL

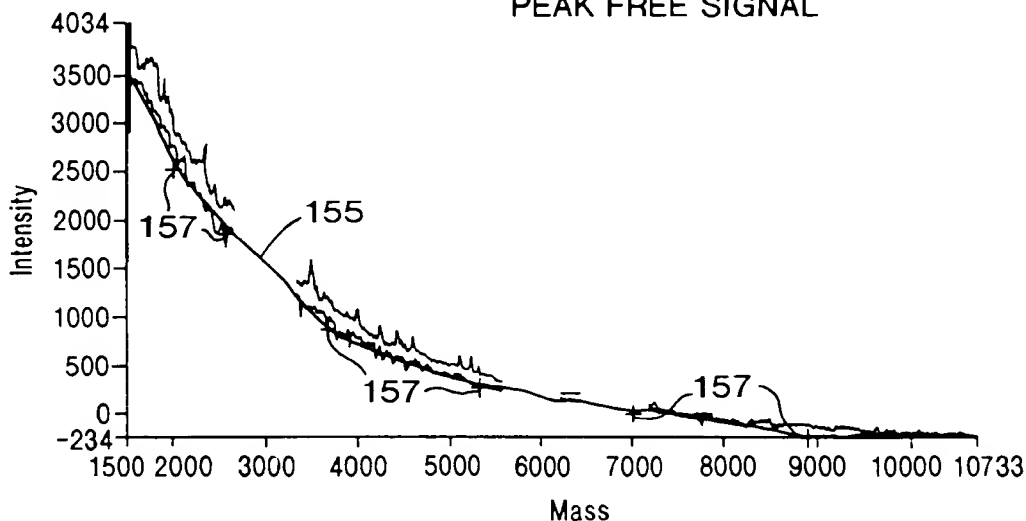


FIG. 14

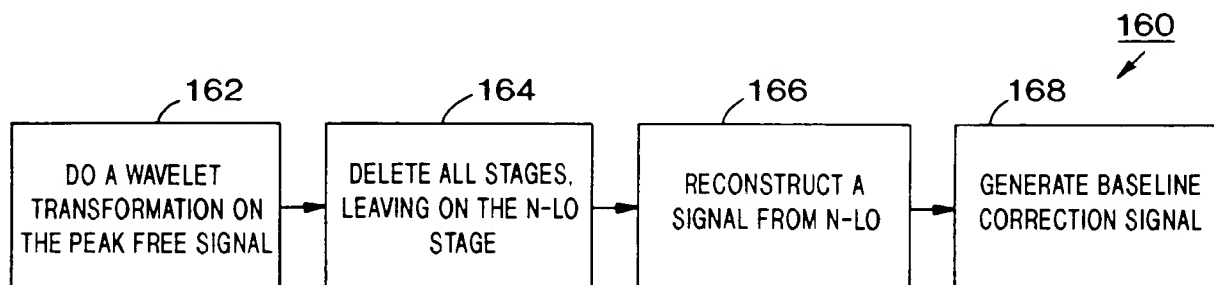


FIG. 15

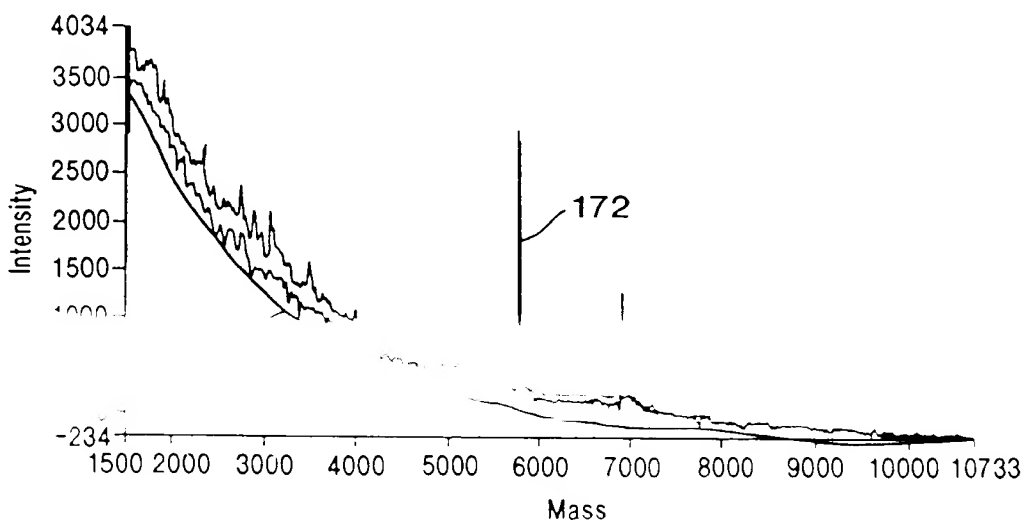


FIG. 16

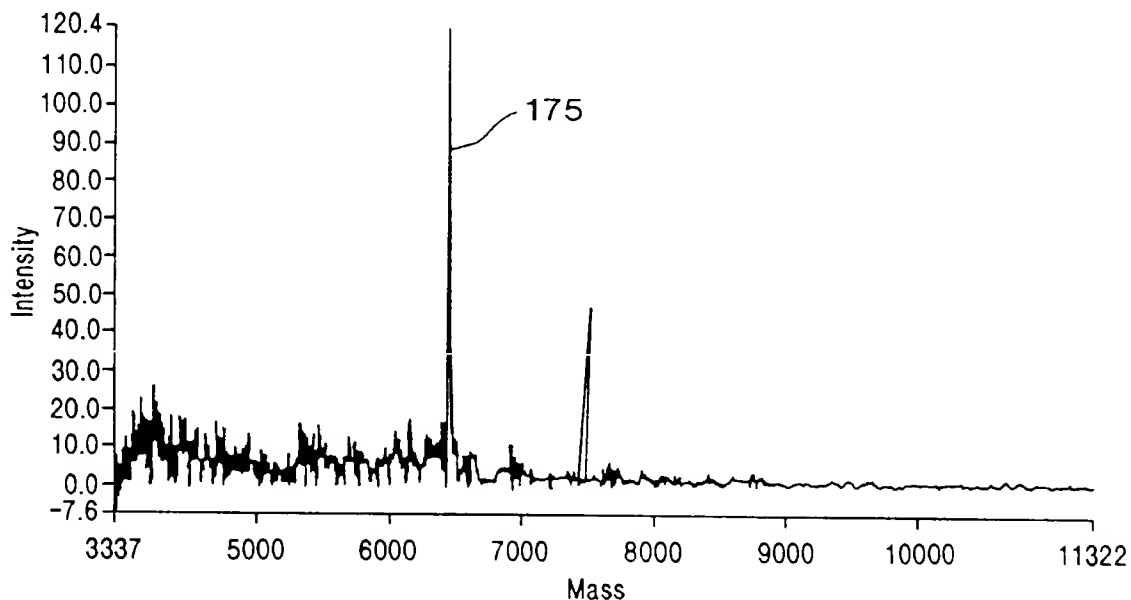


FIG. 17

NON-0 COEFFICIENTS		VALUE	INTERMEDIATE		RELATIVE
183	100	25	182	100.025	100.025
	150	220	184	150.220	50.220
	500	.1	186	500.0001	350.0001
	10,050	800	188	10,050.8	9550.8
	10,075	890		10,075.89	25.89
	11,125	910		11,125.91	150.91
	12,100	1000 (MAX)		12,100.99999	975.99999
	13,250	940		13,250.94	1150.94
			190		
			195		

FIG. 18



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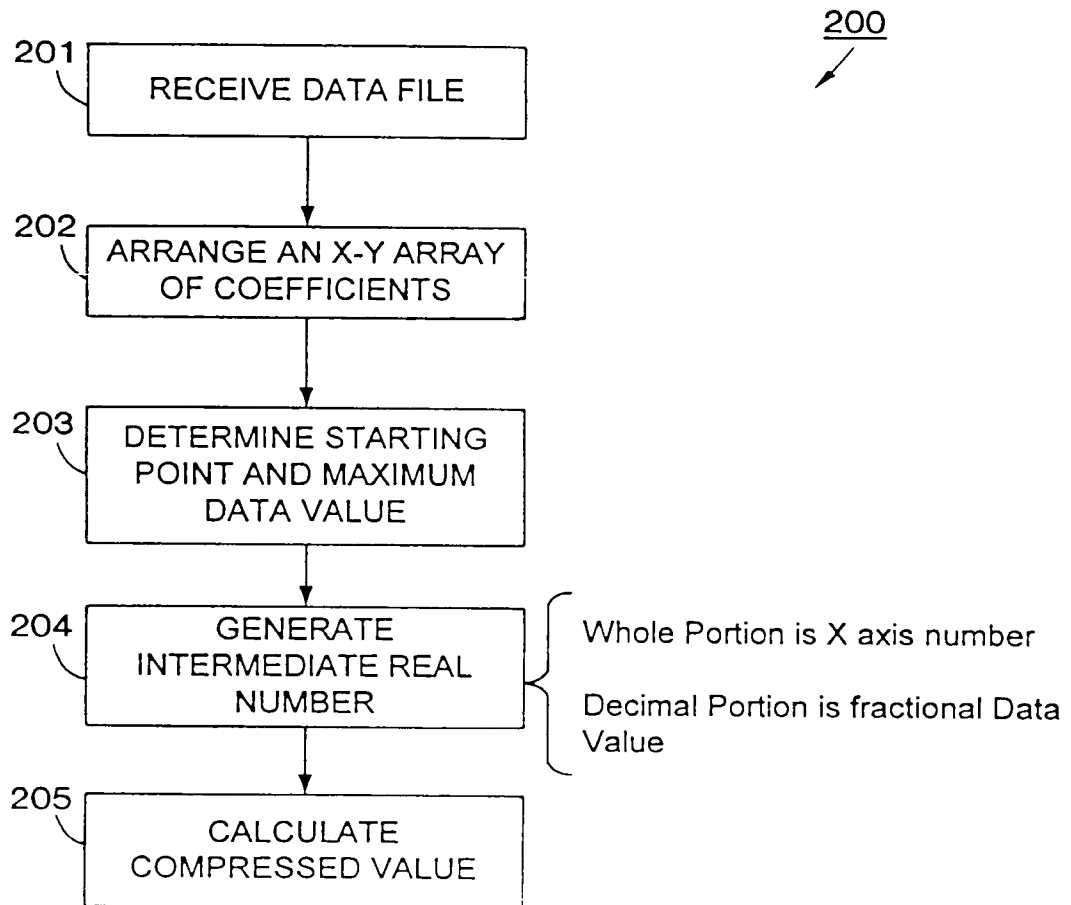


FIG. 19

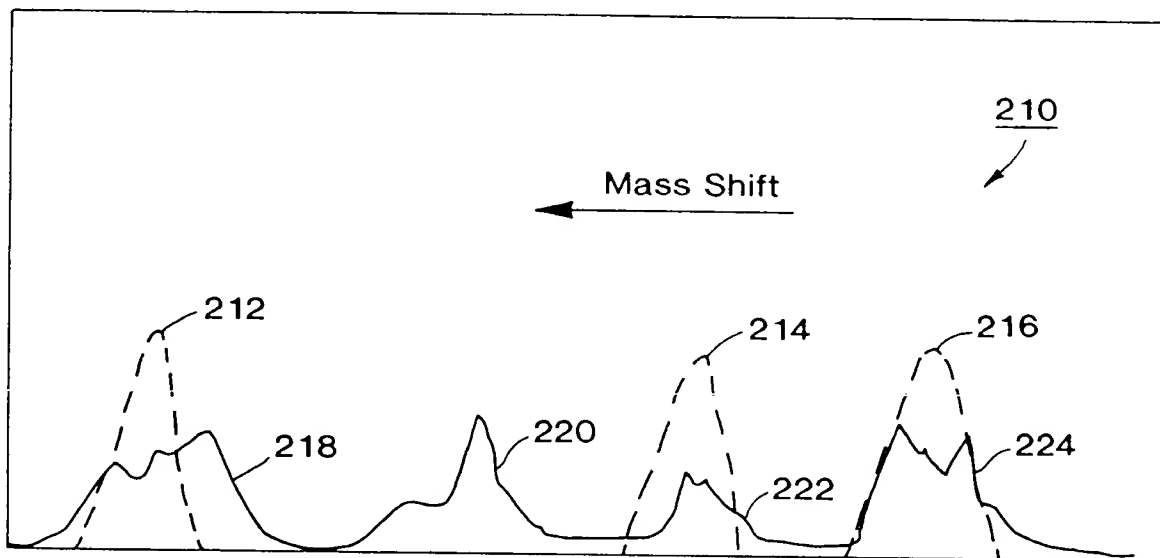


FIG. 20

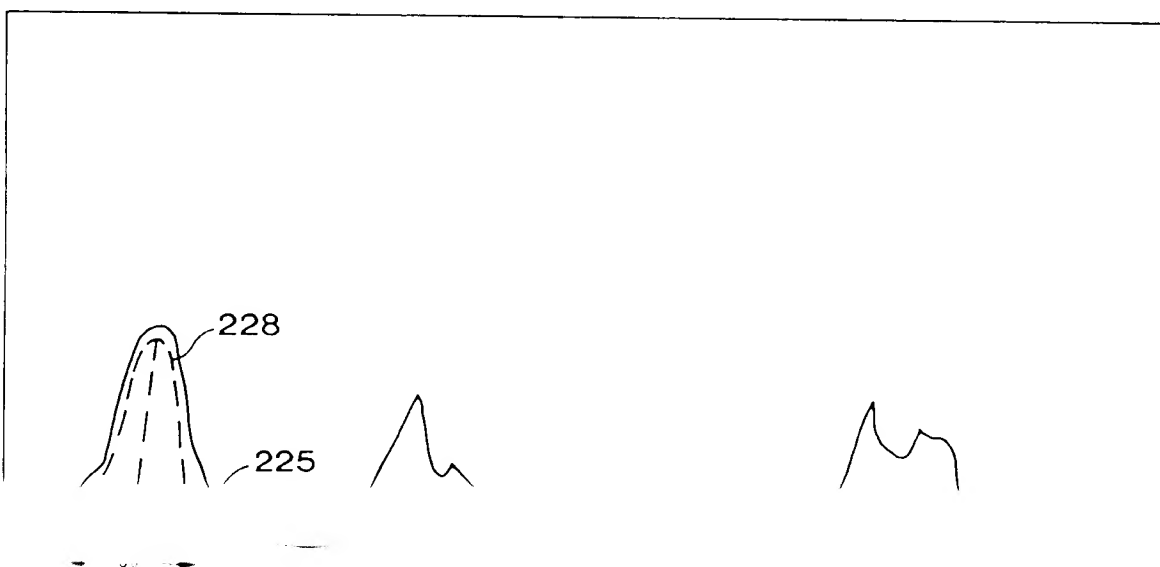
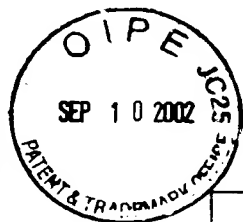
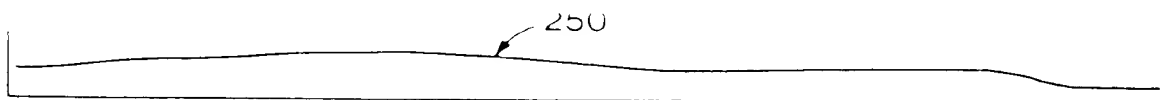
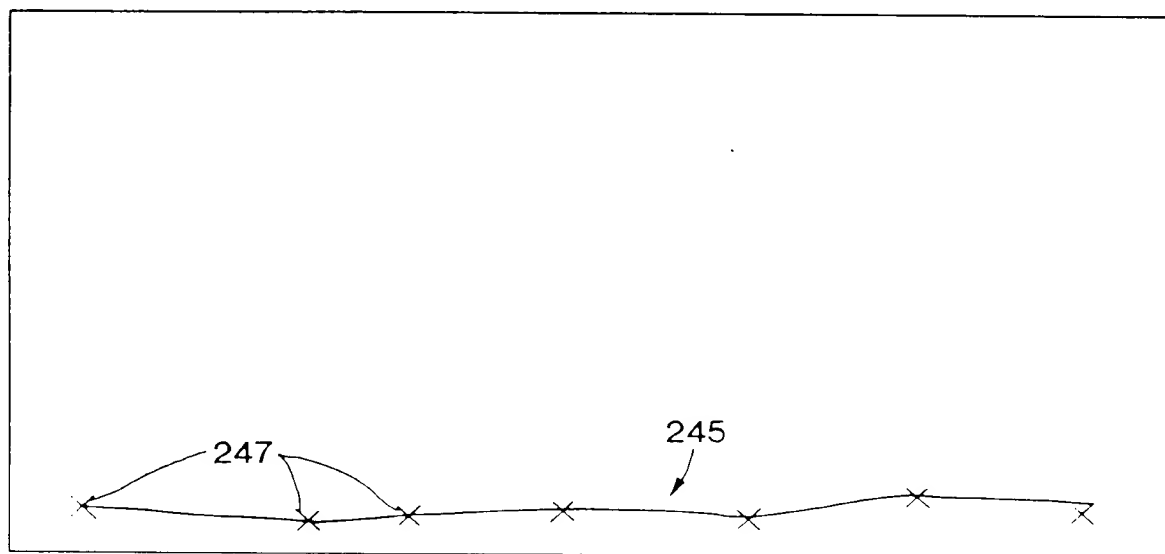
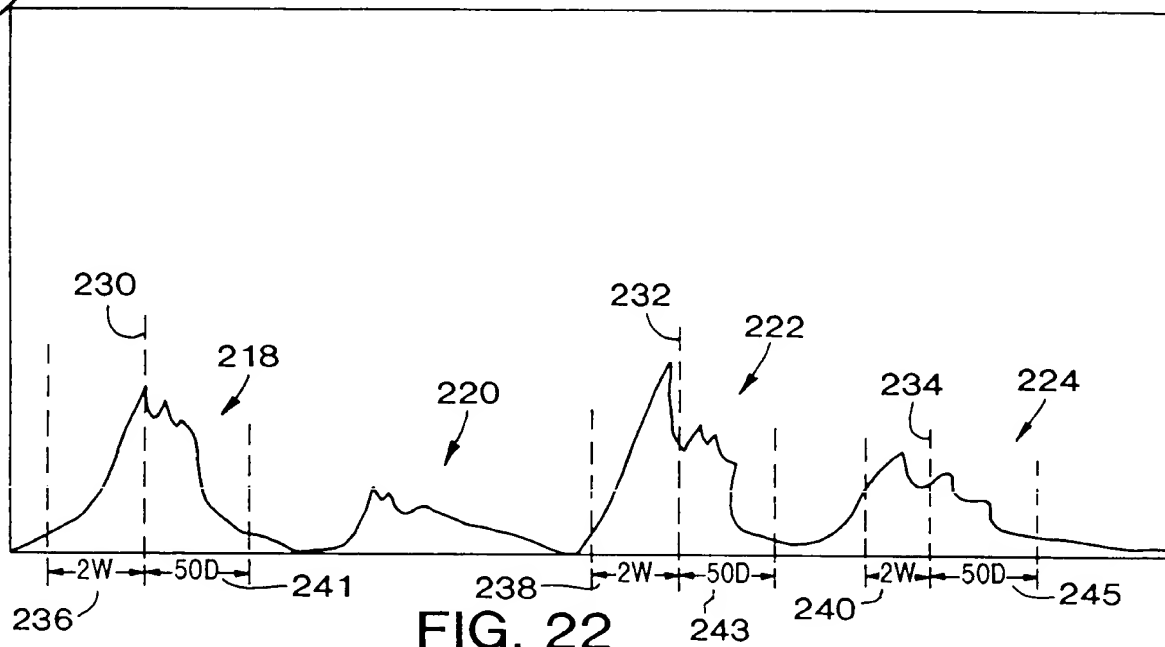


FIG. 21



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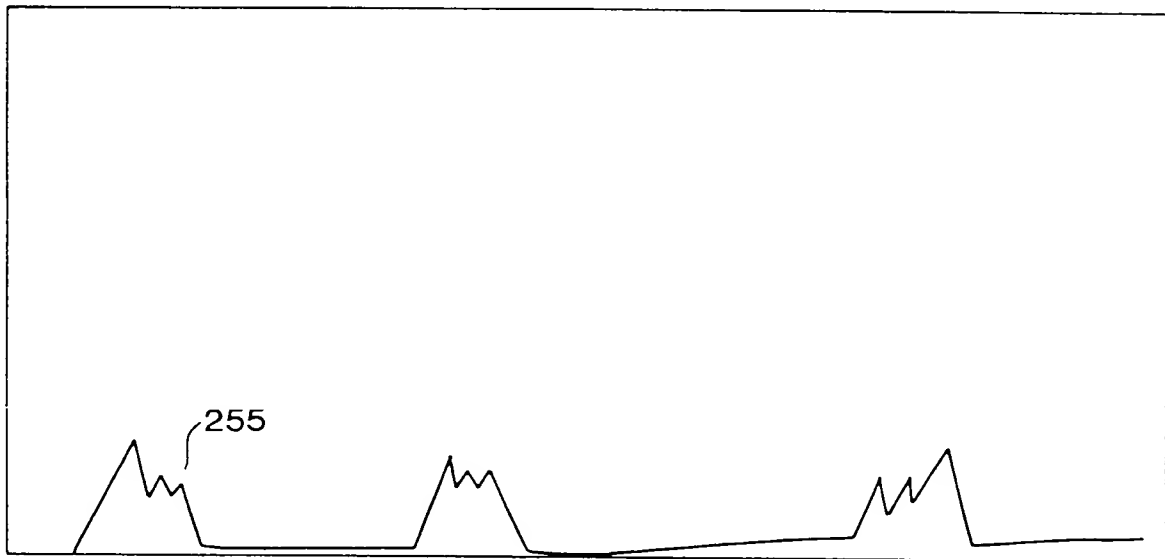


FIG. 25

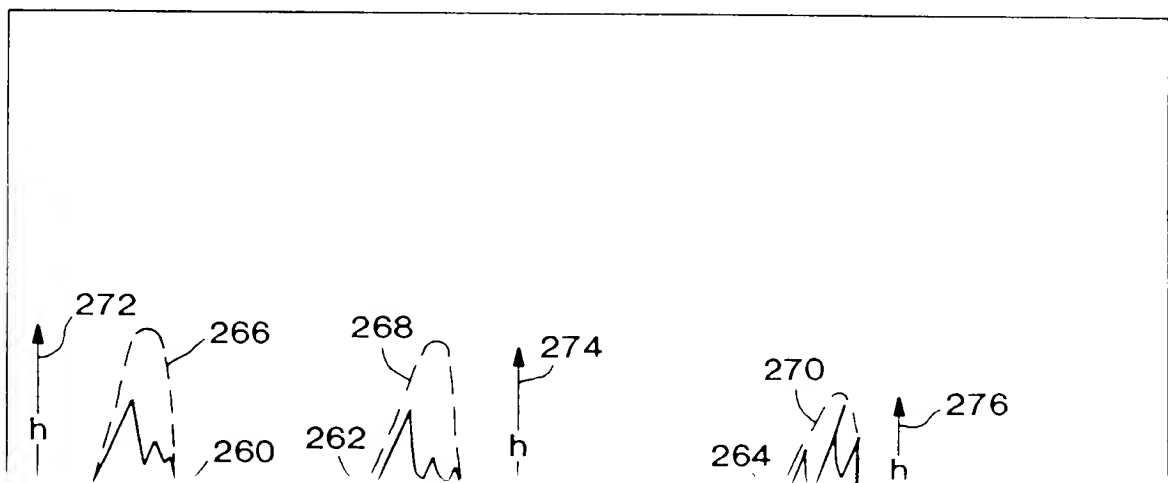


FIG. 26



SHEET 14 OF 17
BELLER EHRMAN WHITE & MCALPHEE LLP
METHOD AND DEVICE FOR IDENTIFYING A
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Applicant: Yip
Serial No. 09/003,968 Filed: September 19, 2000
Our Docket No.: 24746-2049

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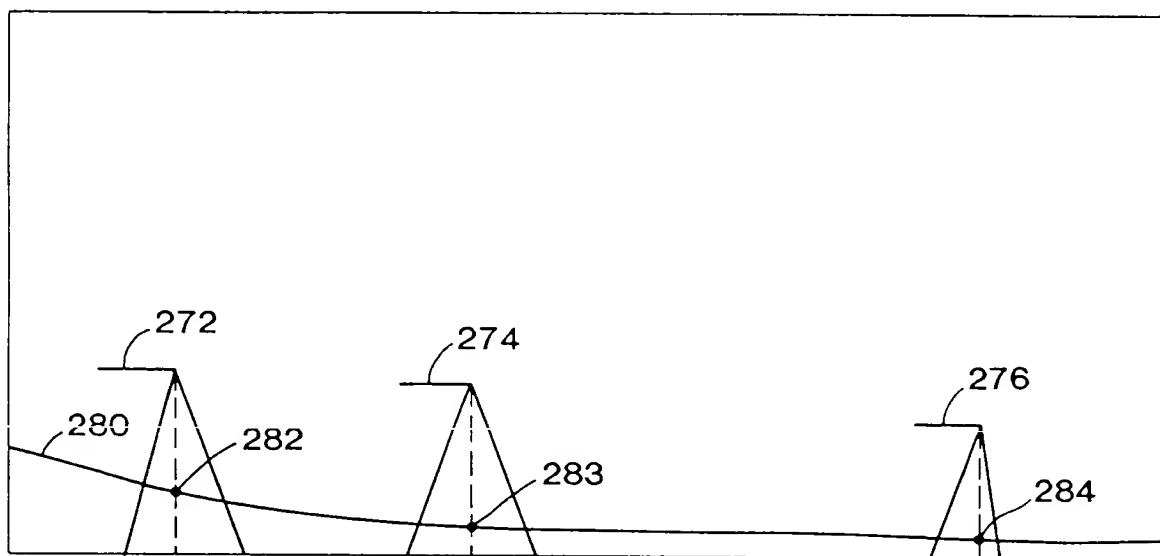


FIG. 27

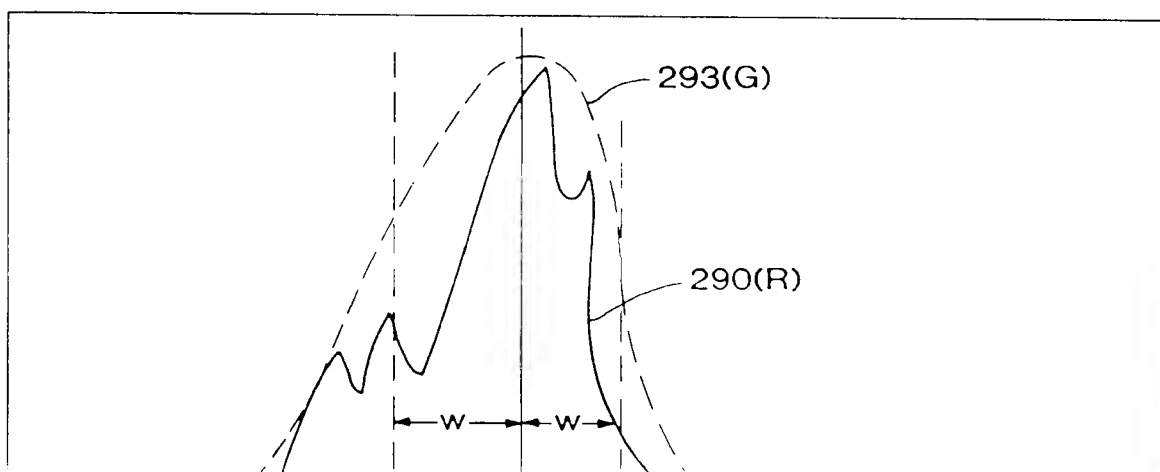


FIG. 28

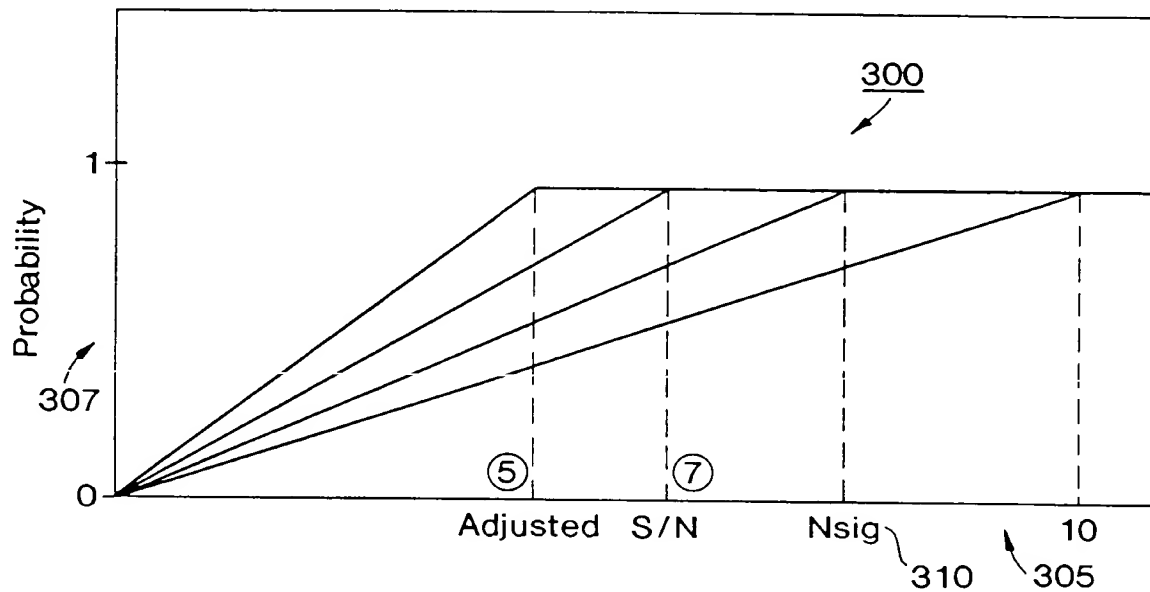


FIG. 29

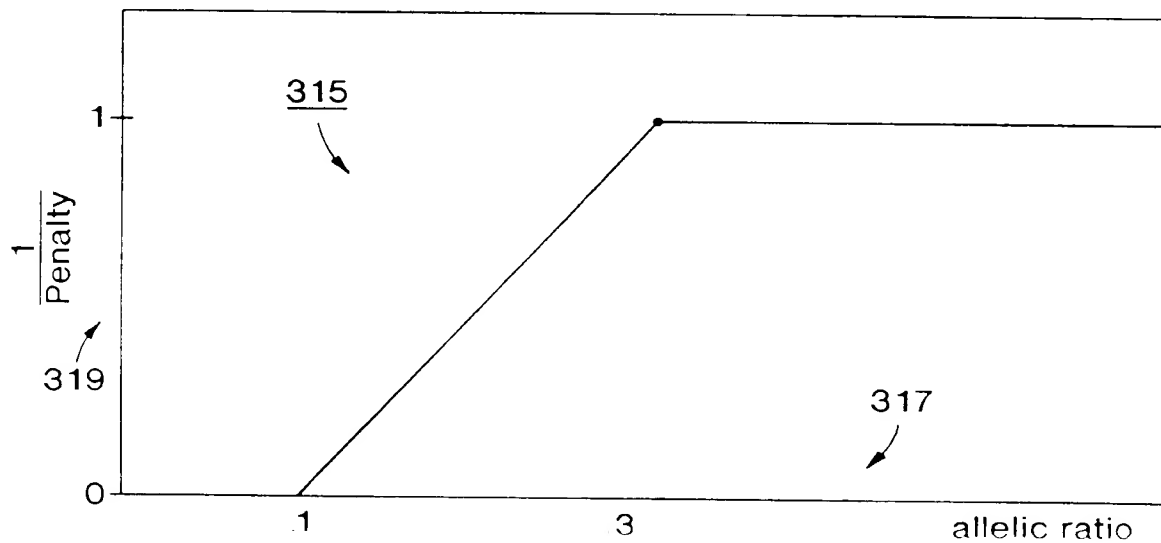


FIG. 30

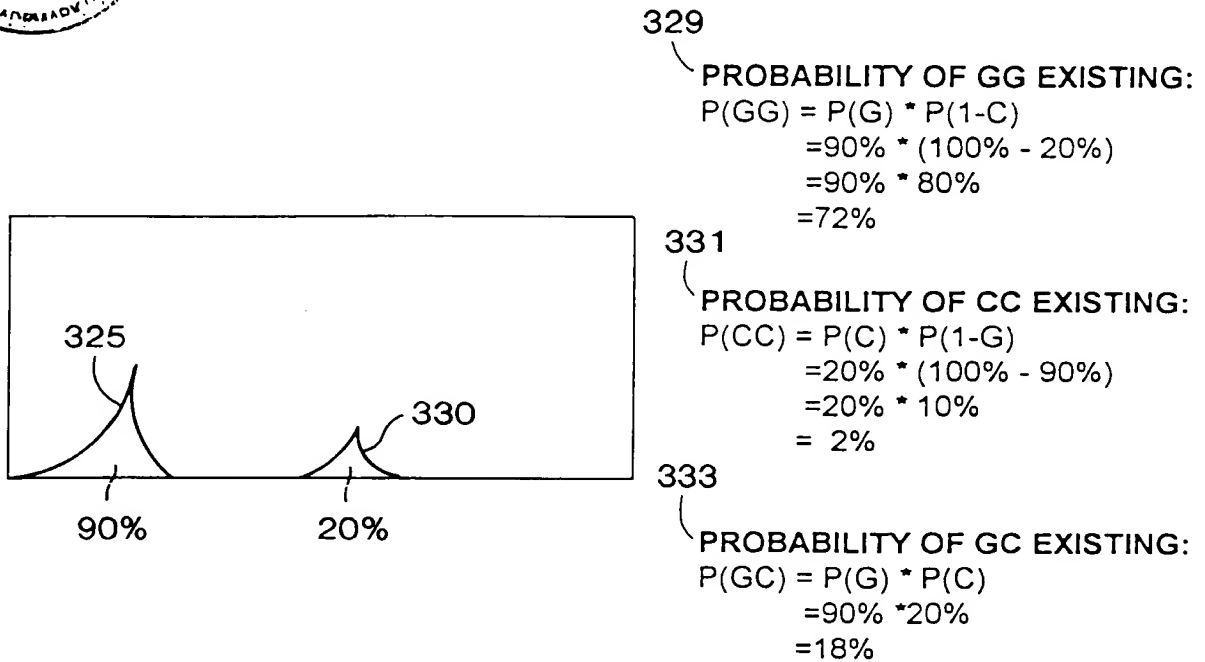
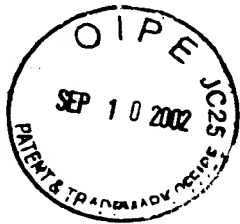


FIG. 31

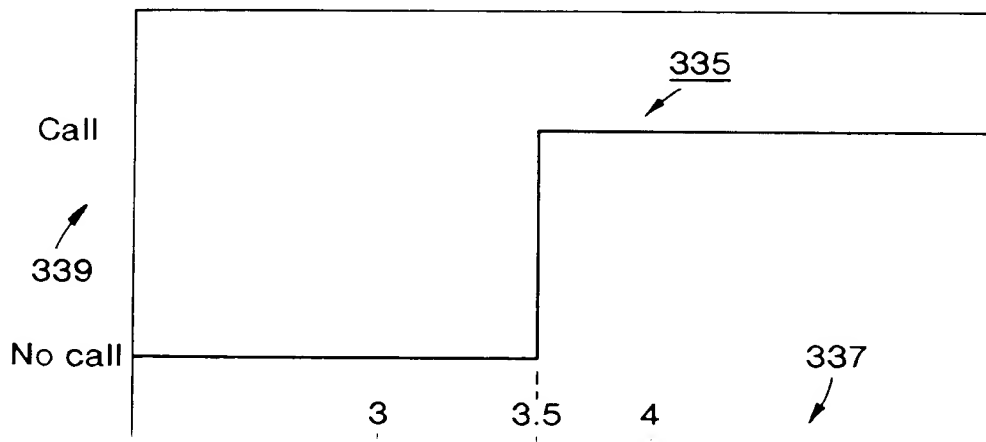


FIG. 32



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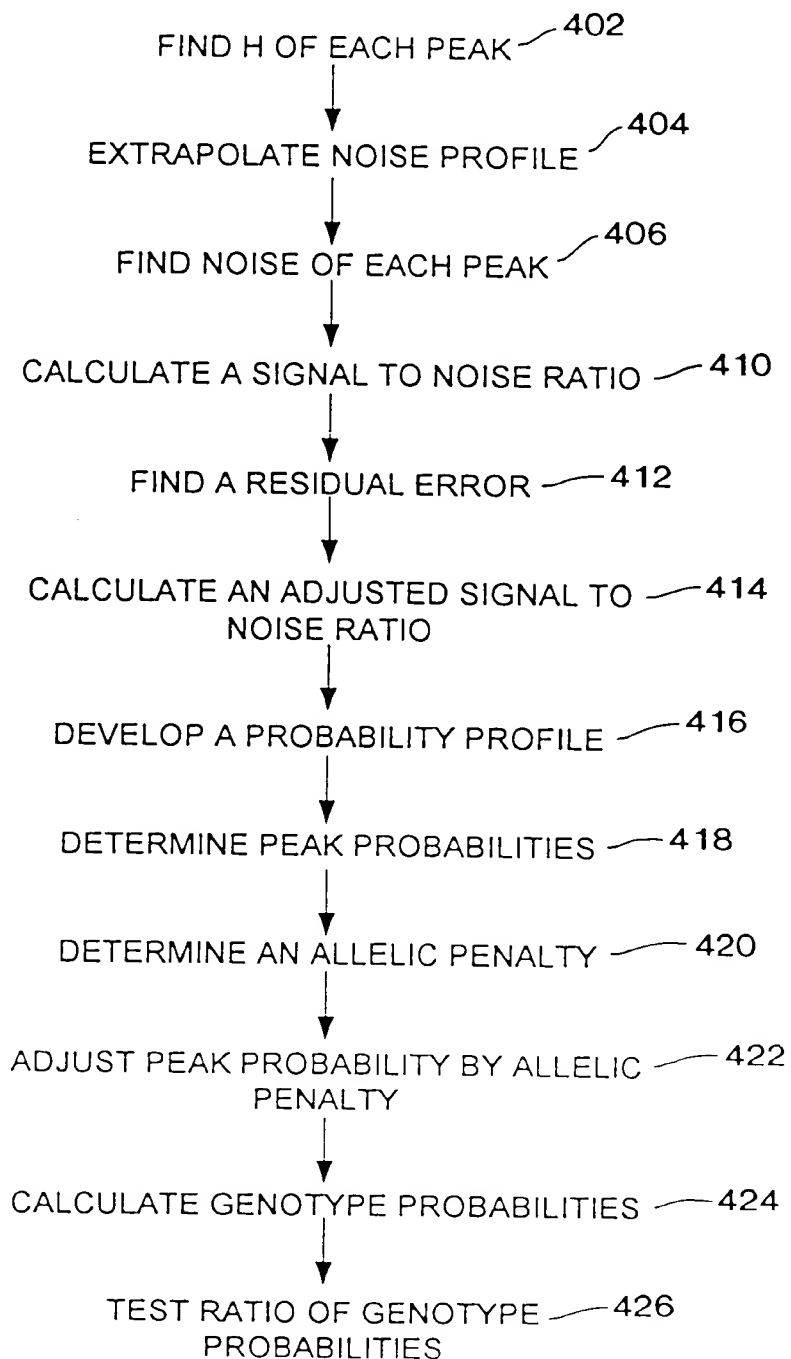


FIG. 33